

&lt;212&gt; DNA

&lt;213&gt; A.fumigatus

&lt;400&gt; 4320

ctcagccaat	ctgataataa	agttatgtct	atgtattcta	acatgttcca	tcaggttgaa	60
agattgcat	gtaacatggc	tttatgggcc	gttgaagtcg	tgcaccaagt	ttacaaaagc	120
gtcgccgagt	atctccccac	cgccgagctg	cctcgaaacc	ccctcgttgt	atgcggacag	180
ggaagccgat	cttctcatgg	ggcggcaaga	tccgaaaata	tcccc		225

&lt;210&gt; 4321

&lt;211&gt; 1119

&lt;212&gt; DNA

&lt;213&gt; A.fumigatus

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (998), (1006), (1023)

&lt;223&gt; Identity of nucleotide sequences at the above locations are unknown.

&lt;400&gt; 4321

tcgaagtgtt	gcctccagca	tctattcaac	tccaatcttg	caccagtc	cttcgctcct	60
ttcaaagatc	gggctcctct	tgtctcgaag	agctgcatca	tgacggactc	atcaacgcca	120
gatatgacct	taacgggtcca	ccaccatggc	aaaccacaca	ccttcaccct	ggccccggac	180
gcaacactgc	aagacctctc	ctccaccatc	gccgacacc	tcaacatccc	aatcgagaac	240
cagaaaatcc	tcctcgcccc	gaaaccaggc	atgcagaagc	accccttcgc	gccgaccccg	300
ctctcaaccc	tcctccccct	cacctctccc	aaattcaaac	tcaccctcct	cggcacccca	360
gcccaggaaa	tcgaatccct	gaacgcccac	acagccgaaa	cccgccgccc	ccttgaagcc	420
cgcgcgccc	ctgcccgaac	acaccgcacc	cggcgccccg	ctcccagcat	cgcagggggc	480
atccacaccc	tctcaagcgc	cggcgacaa	acctacacct	tcaccggct	cctcccgcct	540
tcatacctgc	ccaatccgtc	gcggctcgtg	gagtttcttg	cccgccctgc	tgacgacccg	600
ggcatccgcg	ccgcatggc	aaagcaccgc	ttctcgggtc	cgtgctgac	ggagatggat	660
ccggccgagc	ataccacgag	cgaatccgc	acgctcggtc	tgaatcggaa	taaaggcgag	720
gtgatcgagc	tgccggtcgc	cacggatgog	tacgacggat	accgcgatta	ccggacgatt	780
cgcaagacgc	tgtgccatga	gctggcgcac	tgtgtgttta	gcgagcatga	tcgggatttc	840
tgggatttga	cggcgagat	cgagaaagaa	gtggagccgg	cggattggaa	gcattggggg	900
aagaggttaa	cggatgaaga	gttttataat	cccgggggaat	gggagcggga	gaaagatgcc	960
gctgtggtgg	atgaaaagg	gtggacgggg	ggcgaatntg	tgctangggg	gttgaaggat	1020
ganaaacctg	gtgtcgaaag	tcgacgggag	attataacct	gcgcggcgga	agaaaagatg	1080
cgcaaaaaag	aggataatat	aatgggcccc	gggaggtga			1119

&lt;210&gt; 4322

&lt;211&gt; 441

&lt;212&gt; DNA

&lt;213&gt; A.fumigatus

&lt;400&gt; 4322

caaacgcaat	cgccgtggaa	cgtaatcgaa	gtgttgccct	cagcatctat	tcaactccaa	60
tcttgacccc	agtcctctcg	ctcctttcaa	agatcgggct	cctcttgtct	cgaagagctg	120
catcatgacg	gactcatcaa	cgccagatat	gaccttaacg	gtccaccacc	atggcaaac	180
acacaccttc	accttgcccc	cggacgcaac	actgcaagac	ctctcctcca	ccatcgccga	240
cacctcaac	atcccaatcg	agaaccagaa	aatcctcatc	gccccgaaac	caggcatgca	300
gaagcacc	ttcgcgccga	ccccgctctc	aacctcctc	cccctcacct	ctcccaatt	360
caaactcacc	ctcctcggca	ccccagccca	ggaaatcgaa	tcctgaacg	cccaaacagc	420
cgaaaccogc	cgccgccttg	a				441

&lt;210&gt; 4323

<211> 420  
 <212> DNA  
 <213> A.fumigatus

<220>  
 <221> unsure  
 <222> (222)  
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4323  
 agccggaaga caagaatgtc agcccagctg aaacggcagc gtcggtccaa gattgcctgt 60  
 gagccatgcc ggaccaggaa gaggaagtgc aacggccagc atccttgcca gatgtgcaca 120  
 gactctgagt acacatgcca ctatgacttg ggctctcgca agaaacgaaa caagggcctc 180  
 gtcctggaaa gtctgatgac agtccgaccg gcgcagatgc ancatgcggg gtcacattgg 240  
 gagcgcccaa cgccccgac tccacgacgt ccacgcgcgc cagtggagcg atttaccac 300  
 actgtgcagc agtcgattgg gaccaattcc ggcgcattct tggttcagaa cctggggact 360  
 caagatcgac cctgggtctac gccctccaat cctccagtct tcccgttga atatccgggc 420

<210> 4324  
 <211> 789  
 <212> DNA  
 <213> A.fumigatus

<400> 4324  
 gctcagacat ccagacttga ggcgcagctt gctgacccaa acagaatcca taagatgatc 60  
 ctggatgacc tgggcgtccg acagattgca gctgtcgtcg gtgggtccat gggcggcatg 120  
 ttgacccttg agtacgccta ttccggcaaa gactatgtcc gggctattgt tccaattgcc 180  
 acttctgccc gccactcggc gtggtgcata agctgggggtg aagctcagcg gcaaagcatc 240  
 tacagtgatc ccaagtatga ggacggttat tattcattcg atgaccctcc agccaccggc 300  
 ttgggagcgg cacgcatgtc cgcccttctg acctaccgaa gccgcaattc ttctgagtct 360  
 cgctttggta gaaacgttcc cgaccctgctg aagagacaga atatcaatgg caccgagcgt 420  
 ttgccgactc cgccgaatga acactgggcc attcataatg atggtcacaa ggccggcatg 480  
 tcttctcggg cctccagcga gcgcaactcg cctgggcccgc agcagtcctc tgaagtccag 540  
 tatatggatc ctcatgtctc cggcacaag aggtttagct ctcccgtcag taacagtgcag 600  
 aggaagcggc cccctaccta cttttcagca caatcctatc ttcgatacca gggagagaag 660  
 tttgtgaaac gatttgacgc taactgctac attgctatca cagcaagct cgacactcat 720  
 gacgtgtccc gataccgggg tcttcaccac ggggtggaaa ggcgctgccg tgcaaacaag 780  
 atcagcagc 789

<210> 4325  
 <211> 450  
 <212> DNA  
 <213> A.fumigatus

<400> 4325  
 ctacttggtg aacagctact aaatcccgtg gagagagttg cctccttgcc tgaaaatcca 60  
 tatgcaaaac tcatcacgga tcagtctatc gctattatcc cgctcatctac cctggaatcg 120  
 ggggtgaccc tctacaatgt tcctgtcgcc tacacaacgc ggggtgaaat gtccccaac 180  
 cgtgacaacg tgctgggtgat ctgccatgct ctgagcggaa gtgccgatgt ggcggactgg 240  
 tgggggcctc tgctgggagg acccgggtcaa gcctttgata cgtcacgatt ttttgtcatc 300  
 tgcttgaaca gtctgggtag tccttatgga agtgcaagtg cgtgactta caaggatggc 360  
 aatcccgaag aaggcctgta cgggcctgaa tttcctctta ccactgtccg ggatgacgtg 420  
 aggttagtga gtcagacat ccagacttga 450

<210> 4326  
 <211> 234

&lt;212&gt; DNA

&lt;213&gt; A.fumigatus

&lt;400&gt; 4326

aaatttccgc	acgtactttt	ccatggacct	cctgggacag	ggaaaacatc	cacaattctt	60
gctctggcgc	gtcagctata	tggcgatgct	ggcatgagcc	agatggtcct	tgaattgaat	120
gctagtgatg	acaggagtgt	acataacgtc	cagacacgga	tcaaagcatt	tgcaagtatg	180
ttgactagcc	ctctcctaga	tcaaagtatt	cctaaccttg	tttctttttc	ctaa	234

&lt;210&gt; 4327

&lt;211&gt; 522

&lt;212&gt; DNA

&lt;213&gt; A.fumigatus

&lt;400&gt; 4327

ggcacaaggc	ccattttcaa	agttccttta	cgggagagtc	cttataacat	gtttaaactt	60
gttatacttg	atgaagctga	tacaatggac	cacactgcac	aaatggccct	tcgtcggatc	120
attgaagatt	atgcagcctt	cactcgtttc	tgcattatca	ccaataatat	tcatagacta	180
ttaccagcct	tgatctcacg	gtgcgcacgg	ctccgggttc	cacctctgcg	accttctgcg	240
atacgaactt	tgttattgca	ggtcgccaca	acagaaaata	ttcaagtcag	accagaggcg	300
ttagaatatc	tatctactac	cagccacggt	gacatgaggc	aggctttggc	cgtttttaca	360
gaatgccatc	taaatagtac	gttttggtcg	gatgatgaat	ctaccacgac	tatatctcgg	420
ataaaaatttc	taatgatggc	ttcagaaaacc	tctcaacagg	catcgacatc	aaatctccct	480
gcccagggag	tgattactgt	ggagaccatt	cgagagtata	ct		522

&lt;210&gt; 4328

&lt;211&gt; 1074

&lt;212&gt; DNA

&lt;213&gt; A.fumigatus

&lt;400&gt; 4328

atgagtatgt	caaccagtt	ggctcattgc	actgcaacta	aaagcttaca	tcgatacagt	60
atctctgagc	tttccaccaa	gaagattgcc	caacacaaca	tccccctcgt	ccaaaacacc	120
gccgccaatc	cttatgccct	gtacaaagcc	ttgcgtcaga	cacctgactc	caccgacaac	180
gataaactct	ttgactacca	gaataatgtc	atgatgggta	attctcatgc	agcggacctt	240
ctagtccaga	agtatgatgg	aatcatccgc	tccgcatcca	aaagtactct	cccaagcagc	300
ctgtccctcc	ctccaatgct	aggaccaact	gcctctccgt	ctacagcgca	gcggcacacg	360
cacaaggcca	aaccggggcc	caaggccctg	aaagccatct	tccgggtctt	ggagagacgg	420
cccaaggaca	tcgggctggt	cctgactgtc	gttcagctct	acgtcaatgc	aggcaatact	480
acttctgcca	tcaacacgct	ggagaaaactg	ctccagaacc	tcgacgagtc	cattgctgaa	540
caagacaagg	atatccgctt	cagccccggc	ctgcttactg	tgctgggtgc	cttgtacaag	600
cttgaaggcc	gcaagggcca	gattcgatcc	gagttagcga	aggcagcgag	ccactggcga	660
aaccgcgcgc	aagcccccg	gccactcctc	cgtgccgcag	cagcctcggt	attacattcc	720
tccgaccgtg	cagacctatc	cctgtccgga	gaactgttca	aggatctgta	cgggaatggc	780
accggcgacc	aattcgagct	ggccggctat	gtcgccctgc	aggctaccct	cgactacgcc	840
aaggctcgag	cgcagctcga	aagcctccca	cctgtcgatg	agctgatcgc	agacgttgat	900
gttgccgccc	tggagcaagc	aggcatctct	ccttcctcgg	cgacagcggc	agccgctgct	960
gccgcgatcg	ccggcgcgag	gaagaggact	gcagcggaga	gccaaatccg	cgcgacgaaa	1020
cggatcagga	agtcgcgtct	tcaccacgcg	ggctggaagg	acacgcgtcc	gggg	1074

&lt;210&gt; 4329

&lt;211&gt; 204

&lt;212&gt; DNA

&lt;213&gt; A.fumigatus

&lt;400&gt; 4329

tactaccaga	ccaccacgcc	ctactcagcc	agccaagacc	catacgaaca	ggcaatatcg	60
accattcaga	actcgacctc	cctccataat	ggatactggt	cttcaaaatt	tacaaggtta	120
gcacgtttcc	agggtagaga	agccggttct	gatttgtttc	ggaagattaa	ctacatgagg	180
ctggcactgt	attactggcc	ttga				204

&lt;210&gt; 4330

&lt;211&gt; 561

&lt;212&gt; DNA

&lt;213&gt; A.fumigatus

&lt;400&gt; 4330

gcactatatg	acactacatt	tcattttatc	catgccgagt	tctatttctcg	atttactggt	60
ctgaaggcca	tattctatga	catgacgagc	ttgcactttt	ttaatgtggt	tctgagcctt	120
ctagctctat	ttcccgtcgt	tctggcacia	acatgctgga	ggaacacgac	ttgttcaggg	180
ccaaaagaca	gtgcgttcga	agggccatgg	gaacggggca	tttatgcgcc	ttcttcaagg	240
accgttcgtc	ctaagaaggt	tctgtccatc	accgacttga	gcctgagctc	agcttatgca	300
caagcgatgc	cggccactct	ccatggcaat	gggtcacttg	tcataattcg	ctttggcatc	360
gaagtcggcg	gtatcgtcac	tctgaattat	acctcctcag	gtagtggagc	gttaggaata	420
gcgtttacag	aggccaagaa	ctggataggc	gagtggtcaa	aatcgctcaa	cggcgcaatc	480
aaaggtcctg	atggggcact	atacgcaaac	tttaactcag	gctggaaggg	cctcgataca	540
atgccggacg	aaaccttgcc	t				561

&lt;210&gt; 4331

&lt;211&gt; 306

&lt;212&gt; DNA

&lt;213&gt; A.fumigatus

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (256),(297)

&lt;223&gt; Identity of nucleotide sequences at the above locations are unknown.

&lt;400&gt; 4331

tctcatgcaa	tgccgccttc	gataatctcc	ctcgctcgctc	tctcactttt	tctcgggctg	60
gcgtacgctg	gcggcggtga	aaaggacaaa	cgagacaatg	tctgtaccgt	caaagcaaat	120
ggaaagcaga	aggatgatgt	gccaaacctt	cttagggctt	tcaatgaatg	cggaaatgga	180
ggcacaatca	tctttcctga	agatcagtca	tattggattg	gggcgagact	taatcctgtt	240
ctgaatgatg	tctcantgca	atggaaaaga	aagtggacag	taggtcctcc	tgctctntgc	300
ctctaa						306

&lt;210&gt; 4332

&lt;211&gt; 867

&lt;212&gt; DNA

&lt;213&gt; A.fumigatus

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (700)

&lt;223&gt; Identity of nucleotide sequences at the above locations are unknown.

&lt;400&gt; 4332

ccaatattaa	ccatgccgcc	ggcatctacg	cggacatgtc	ggtggatggt	ccggcaatcg	60
gcacgctggt	cgccgtcatt	gatcgcgcg	agaatctgcc	gaatcgaaag	actatgggga	120
aacagaaccc	gtactgtgct	gcacggttgg	ggaaggaagc	gaagaaaaca	gagactgacc	180
tgccgcggagg	gcagacgccg	aaatggtatc	gccccattgt	cccttgagcg	gtcgaatcat	240
gctgaccgca	atgccagggg	tcaggaactt	cggttcacgg	tgcacgagtc	acccgactac	300

ttcagactca	aggtctcggt	cttcaacgat	gacaaaaaga	ccgacctgat	cggcgaaacc	360
tggatcgatc	tgaaggactt	gatcatcccc	ggaggcagcc	agagcgacca	atggcatccg	420
ttgcagtacc	gaggaaagta	tgccggtgag	gttcgcatcg	agatgactta	ctacgatacc	480
aggccagaag	acgaggcggt	gattgaacgg	cgaacgcaag	ccgccgagaa	ggcccatgcc	540
aagagcaata	gttcgagacc	ggccccggcc	gctcctgtca	cctcgtcgtc	gtcgtcgtcg	600
tctcgtcgtc	cgtcatcgtc	tctgtcgggc	cctcgccagc	tcgagaaggt	caagagacgt	660
ccgtttccga	acgaccctac	cgccgcgact	cctgcgcgtn	cgggaccccc	cgaaaagacc	720
tccccgcgcc	ttgtgcgttt	catccggctc	caggggaagac	cgggtgcacca	tgagcatgct	780
catttcatgc	ctgccatgaa	tagccccgat	cacattcgct	attcgcaacg	acaagcacc	840
aaggcgcccc	acgatgcatt	ttccttc				867

&lt;210&gt; 4333

&lt;211&gt; 336

&lt;212&gt; DNA

&lt;213&gt; A.fumigatus

&lt;400&gt; 4333

tctcgtcga	taatatttcc	acaagctaca	cggggccagt	ctgcggtgga	cgcattgaga	60
acgaaaatgc	ctggtttcgc	ggattcattt	tggacaccgg	actatgctac	cggctcttggg	120
gtgctgtatg	ggaaactcca	acaggggtgtc	actgaaaaca	ggcagattct	cactatttgcg	180
agcttgccgag	cgatgcgga	ggagcagtat	gggtctcaagc	taggggagat	cgcgcccagc	240
gttgaccgca	tgacagcagg	gtttgcgaaa	gacgatgggg	ccagcgtgag	aaaggtaggt	300
tattcttcac	cctttcgagg	gaggtcatt	tgctga			336

&lt;210&gt; 4334

&lt;211&gt; 216

&lt;212&gt; DNA

&lt;213&gt; A.fumigatus

&lt;400&gt; 4334

ctctcacttc	tgctaaacgt	ccgctctggt	cgatcttttag	gcgccctcat	atacattctc	60
ctcaagccca	tgcttgccgc	cgattttgtc	taccctggga	tttgcaagt	cgataaaaag	120
aagcgtttcg	gaagagtctg	gtcactcatt	atccctttcg	cattcctctc	tgctgtcgaa	180
gctgcctcag	gagtatctca	gcgtgtggtt	gtgtga			216

&lt;210&gt; 4335

&lt;211&gt; 645

&lt;212&gt; DNA

&lt;213&gt; A.fumigatus

&lt;400&gt; 4335

gttattcttc	accctttcga	gggaggctca	tttgctgac	gtatgcgttc	tcaggcgtat	60
gaaggtgttc	gctcggaaat	gatagaggcc	tccaaaaacc	atcaaaagat	tgcatcgaat	120
atccgtgaac	tcgttggttc	ccccttcaga	cgatggtgtg	accagcacga	ggctcgaatt	180
cagaactccc	atgacgatct	tcaggccccg	attaaggagc	atacaaagca	ggtggaactt	240
accaagaagc	tacggagcca	ctactttaac	aagtgtcggg	tggttagagga	tctggaagaa	300
gaaaacaagt	tggttttcca	ggaccctgag	accagtccca	aggtcaaggc	gacacccaag	360
attgttctgc	cggaagaaca	agcagaggag	gaggagccga	ttgagctggg	agatcgagtc	420
tacgcccccg	aggacctcaa	gaagctcctg	acacacatgc	ttgataatat	caagattggg	480
gaggtcaaag	tgctatcat	tggaacttat	cagaatacat	ccaacggtgc	tgatatcgtg	540
gagtatattc	aaaagtacat	gaacggaacc	agcatcagct	atgcggagag	aatcggtcag	600
gaccttggtg	ttcttttacc	acagggggcg	gaaggaaccg	cataa		645

&lt;210&gt; 4336

&lt;211&gt; 465

&lt;212&gt; DNA